DEPARTMENTS AND SOCIETIES

Quadrangle Jesters

Quadrangle Jesters, the dramatic organization of the engineering campus, is preparing a bigger and better performance this year in an attempt to outdo last year's production, which was among the best. Under the direction of Al Ankrom, the Jesters hope to outshine last year's beef trust chorus, play, and other highlights. In the past, this presentation has always met with much success and has been received with great enthusiasm. The performance will be given in the spring quarter of this school year. We hope to have the cooperation of the entire engineering College.

A. C. S.

The first meeting of the Student Branch of the American Ceramic Society was held Wednesday evening, Oct. 15, at Lord Hall. The large group which attended was greeted by Prof. Watts, who reported on the many improvements made in the department. Prof. Carruthers discussed the importance of the contacts made in the Ceramic Society. Dr. Brainard gave an interesting talk concerning the importance of ceramic specimens and pottery in relation to archeological research, showing many pieces of pottery found in Arizona. In a short business meeting, Al Robinson was elected Secretary-Treasurer, and announcements were made by President Sam Daugherty.

The officers are: Pres., Sam Daugherty; Vice-Pres., Howard Petty; Sec.-Treas., Al Robinson; Jr. Rep. Eng. Council, William Newton.

Engineering Council

The first meeting of the Engineers' Council was held Oct. 25, in the Chemistry building, with President Al Ankrom presiding. The meeting was brief, consisting of nominations for secretary and treasurer for the coming year, and a round table discussion of Engineers' Day plans for the future. Many suggestions were offered and are being kept for reference.

The Engineers' Council is the governing body of the College of Engineering, and convenes every Wednesday in room 258, Chemistry building.

Texnikoi

Texnikoi, engineering honorary fraternity, held meetings in the Industrial Engineering Building on Oct. 11 and Oct. 25. These were the first meetings of the year, and were spent chiefly in discussing the continuation of last year's projects. Efforts are being concentrated on these plans for the very near future. Organization is well under way and Texnikoi expects to be functioning in full swing very shortly.

Tau Beta Pi

Tau Beta Pi, engineering scholastic honorary, held its first dinner meeting on October 18. There was no formal business, but President Sherman gave a resume of the National convention held at Cincinnati this year.

S. S. I. E.

The Industrial engineers held their first meeting, a smoker, at the Teke house on Oct. 12. The meeting was more of a social gathering than a business meeting. Wilson R. Dumble of the department of English gave a discussion of poetry.

Among those present was Dean MacQuigg of the College of Engineering, who spoke briefly. The evening was climaxed with cider and doughnuts.

Beta Pi

Beta Pi held its first meeting of the new school year at the chapter rathskeller on October 5. After the officer's reports had been read, a long informal discussion was held on the subject of Beta Pi activities for the fall quarter. The business meeting was followed by a period of informal sociability during which refreshments were served.

Of all the select Greek societies on the campus, Beta Pi, one of the most exclusive, is paradoxically the most inconspicuous in its functions. Although the formal meetings are held regularly on specified dates, the *Lantern* is never given the opportunity to acknowledge the same: never do those significant letters, "Beta Pi" grace the banal lines of the daily "Official Bulletin". Yet, in some mysterious manner, each man knows, and when the candles are lighted at the appointed hour a roll call is shown to be superfluous.

The splendor of the formal initiations and the casualties of the informal never reach the outside world. The pledges carry out their harsh duties unceremoniously, marked only by a very small knot which resembles, strangely enough, a miniature pretzel. The gold active key, of the same shape, is even more inconspicuous.

Beta Pi was founded some years ago to promote and preserve a closer bond of friendship among students of mechanical engineering; that by more intimate association, by cooperative and united activity, and by keener mutual understanding as brothers in this society, a happier and more fruitful college life must be enjoyed. Based on this purpose, to promote and preserve a closer bond of friendship, Beta Pi extends its activity in two directions. The first is in service to the school. As an organization, Beta Pi stands ready to lead or assist in any worthwhile activity. The departmental activities especially are supported by this society, whether they be technical, social, or athletic in nature.

The second direction of Beta Pi's activity is within the organization. Frequent meetings are a tradition. In association at meetings is developed the friendly understanding so highly valued by Beta Pi. Each business meeting is followed by a period of informal sociability during which it is customary to serve beer and pretzels. Further association is fostered, whenever pos-

sible, in social events of a slightly more formal nature, such as dances, dinners, picnics, and theater parties.

Selection of members is made from the junior and senior classes of the department of mechanical engineering and is based on very high standards of scholarship, personality, integrity, achievement, intelligence, sociability, etc. That the ideals of Beta Pi are worthwhile has been proven by the exceptional work its alumni members are doing in industry.

Beta Pi plans to extend its activities even further during this school year. In past years it has done much to promote good feeling in the department of mechanical engineering, and in the future it will continue to sponsor congeniality and conviviality among brothers under the sign of the pretzel.

A. S. C. E.

The Ohio State University student chapter of the American Society of Civil Engineers opened its program for 1938-39 with a meeting in room 207, Brown Hall, Tuesday evening, October 11, at eight p.m.

After a short talk by Professor Prior in which he explained the functions of the parent society the double feature program was presented by Larry Snyder of the athletic department and Professor R. C. Sloane. Mr. Snyder gave the first public showing of the official motion pictures of the Ohio State-Southern California football game. Professor Sloane exhibited a series of colored slides made from pictures taken at the Ohio State University Surveying Camp in Jackson County last summer.

After the pictures the entire group retired to the instrument room to partake of a bountiful supply of cider and doughnuts. At the following short business session Robert "Plumb Bob" Lawson was elected to the post of Junior representative of the society on the Engineer's Council for the coming year.

The first dinner meeting of the year was held Tuesday evening, October 25, at Pomerene Refectory. The speaker of the evening was Professor Van Til of University High School. His subject was "Europe Today and How It Got That Way". At this meeting plans for a hamburger roast on Friday evening, November 4, and a joint dinner meeting with the Central Ohio Section of the American Society of Civil Engineers were announced.

A. I. M. E.

A meeting of the student branch of the A.I.M.E. was held at Lord Hall, October 26. Officers for the coming year are: John Mueller, president; David Ridenour, secretary; William Edwards, treasurer.

Extensive plans for increasing the activities of the organization were discussed by a very good turn-out of student and faculty members. Genuine interest was shown in a program for obtaining motion pictures and prominent speakers for future meetings. Social activities will be enlarged, and a committee was appointed to make plans for a metallurgists' and miners' party, to be held November 4. The outlined sports program was met with much enthusiasm by the members, and the group expects to be well represented in athletics.

After the business meeting, informal talks were given by some of the older student members on their experiences of the past summer. Charles Matasich gave an interesting account of his work at the Sharon Steel Corporation; Stanley Piwowar explained some of the difficulties encountered in the mining of coal; and Crary Davis described the high points of the golden West. Lloyd Evans, David Ridenour, and Donald Goettge also gave short talks.

A. I. E. E.

More than a hundred electrical engineers, including a creditable number of sophomores and freshmen, turned out for the first A.I.E.E. meeting of the year on Thursday evening, October 20. Whether it was genuine desire to participate in the activities of the organization or the potent pulling power of cider and doughnuts which brought out the large throng we are not yet in a position to say, however much we may hope it was the former.

Plans for the coming year's activities were discussed, including the major social event of the year, the annual A.I.E.E.-H.K.N. formal dinner dance which will be held some time during the winter.

Professor E. E. Kimberly, faculty advisor of the organization, delivered an entertaining and highly interesting talk on vital facts concerning membership in A.I.E.E. and participation in its various activities.

The supply of above-mentioned cider and doughnuts diminished rapidly after the meeting, but no mistake had been made by the committee in calculating the appetite of those present, so that everybody had his fill.

Ohio State Radio Club

Radio Club activity started off this year unofficially when it was made known that the Department of Electrical Engineering offered to supply to the club all parts necessary for the construction of a complete new high-powered transmitter for the club station, W8LT, in its new location under the old WOSU towers.

The first official meeting of the year was held on October 24. At this time definite plans were formulated not only for getting the construction of the new transmitter under way, but also for setting up the old transmitter and receiver for temporary operation and improving the appearance of the radio "shack" both internally and externally.

As one of its major activities this year the club hopes to be an active participant in a nationwide intercollegiate point-to-point communications system, the National Intercollegiate Press Association, an amateur radio organization for the purpose of facilitating the exchange of news items between colleges. Items will be transmitted in code at scheduled times on spot frequencies in the amateur bands, with one station at a time transmitting and all other stations in the network copying.

Radio Club meetings are to be held every other Monday as in the past, with the quarterly dinner meeting scheduled to replace one regular meeting in November or December.

A. I. Ch. E.

Chemical publications as tools for chemical engineers was the subject of a talk given by Francis M. Turner, vice-president of the Reinhold Publishing Co. at a dinner meeting of the American Institute of Chemical Engineers on October 26.

"Chemical engineers should have a knowledge of economics and engineering law," emphasized Mr. Turner. He pointed out the assistance which engineers get from attending technical society meetings and from reading technical books and periodicals. Knowledge of foreign languages, of photography, and typewriting were shown by the speaker to be advantages which greatly aid the engineer.

Bernard Sarchet was elected vice president at the meeting and plans for a dance and a smoker to be held during the winter quarter were discussed.

S. A. E.

The student branch of the S.A.E. held their first meeting on Oct. 20, in room 152, Robinson Laboratory, for the purpose of organization and election of officers. J. A. Scerba presided as the acting chairman and conducted the elections. The officers elected to preside for the quarter include J. A. Scerba, chairman; W. E. Harpst, vice-chairman; L. A. Dever, secretary; J. M. Heldack, treasurer. Meetings are to be held weekly in room 152, Robinson Lab, every Tuesday at 1:00 p.m. for the remainder of the quarter.

A. S. M. E.

The first meeting of the combined student chapters of A. S. M. E. and S. A. E. was held on Friday, Oct. 7, in Room 100, of the Chemistry building. Professor S. R. Beitler rendered a short talk on the qualifications necessary to become student members of the national organization of A.S.M.E. Professor K. W. Stinson filled a similar capacity for the S.A.E. Following the talks, blanks were given to those interested in becoming members.

Because of the large group formed by the combined junior and senior classes, it was decided to hold the meeting regularly in room 100, Chemistry building, instead of Robinson laboratory.

The officers for the autumn quarter are: G. E. Manker chairman; J. E. Gilkey, vice-chairman; A. P. Johnson, secretary; E. H. Fromm, treasurer.

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Motion pictures were viewed by the combined groups of the A. S. M. E. - S. A. E. as they attended the second meeting of the quarter. The meeting, held in room 100 of the Chemistry building, was sponsored

by the S. A. E. and was under the direction of acting chairman J. A. Scerba. The subjects, as covered by the pictures, were "Rules of Safe Driving", "Materials—Their Uses", and "The Basic Uses of Iron."

The Department of Architecture

The first social gathering of the department of Architecture and Landscape Architecture was a steak roast at Griggs Dam on the Scioto, Wednesday evening, October 12. Another steak roast is planned later in the quarter.

There was an open house in honor of new students of the department on Sunday, October 23, from 3 to 5, at the home of Mr. and Mrs. Galen F. Oman, 293 East Longview Ave.

Crystal Speed Demon

Twenty million vibrations per second — just 16,-166,666 times faster than the normal human heart-beat — is the phenomenal mechanical speed achieved by a tiny quartz crystal used in a new oscillator developed for maintaining constant frequencies in radio transmitting.

It is the superspeed "beat" of the quartz crystal which permits constant frequencies to be maintained in radio transmitting. The oscillator enables radio broadcasters to hold their transmitters to assigned wavelengths in sending out programs or messages.

The crystal for the new oscillators is obtained from Brazil, where the most perfect specimens of quartz are found. It has been developed specifically for radio transmitters used by airplanes or ships; it can withstand sudden severe changes in temperature and humidity without permitting broadcasting frequency to vary. This radio transmitter will have a frequency of 20 megacycles, or 20,000 kilocycles. It is about 15 mils (15/1000 inch) thick and is approximately an inch square.

Infinite care is exercised in processing such crystals to the exact size required to maintain various frequencies. A "rough cut" is first made from the quartz as it is found in its natural hexagonal shapes. It is ground mechanically as far as possible and then by a hand process it is literally polished to the desired thinness for a particular frequency.